

TABLE 2B1

**Maximum unwanted emissions from an MES operating within the allocation,
outside the 1 980 - 2 025 MHz allocations (NOTES 1 and 2)**

Frequency (MHz)	Carrier-on	
	e.i.r.p. (dBW) (NOTE 2)	Measurement Bandwidth
0.1 - 30	- 66	10 kHz
30 - 1 000	- 66	100 kHz
1 000 - 1 559	- 60	3 MHz
1 559 - 1 626.5	-70 (NOTE 3)	1 MHz
1 626.5 - 1 950	- 60	3 MHz
1 950 - 1 960	- 60	1 MHz
1 960 - 1 970	- 60	300 kHz
1 970 - 1 975	- 60	100 kHz
1 975 - 1 978	- 60	30 kHz
1 978 - 1 980	The levels in Table 2B2, as appropriate, for the frequency offset 0 - 2 MHz. should apply from 1 978 - 1 980 MHz.	
1 980 to y (NOTE 4)	Not applicable	Not applicable
y to y+2	The levels in Table 2B2, as appropriate, for the frequency offset 0 - 2 MHz should apply from y to y+2 MHz.	
y+2 to y+5	- 60	30 kHz
y+5 to y+10	- 60	100 kHz
y+10 to y+20	- 60	300 kHz
y+20 to y+30	- 60	1 MHz
y+30 to 12 750	- 60	3 MHz

NOTE 1 – The MSS (Earth-to-space) is allocated frequencies on a co-primary basis in the band 1 980 - 2 010 MHz in all Regions and in the band 2 010 - 2 025 MHz in Region 2 subject to the dates of entry into force mentioned in RR S5.389A, RR S5.389C and RR S5.389D.

NOTE 2 – Average responding instruments should be used to measure the eirp values. Except when NOTE 3 applies:

- i) the measurement time should be such that the difference of the measured e.i.r.p. levels, averaged over subsequent measurement samples, is less than 1 dB at any particular measurement frequency, or
- ii) a measurement time of 100 ms may be used if the measured e.i.r.p. values comply with the applicable limits.

For non-continuous signals the measurement should be performed over the active part of the burst.

NOTE 3 – Averaged over 20 ms.

NOTE 4 – The value of y (MHz) corresponds to the upper band edge of the allocation.

TABLE 2B2

Maximum unwanted emissions falling in the 1 980 - 1 990 MHz band from an MES using CDMA access techniques within the 1 980 - 2 025 MHz allocations (NOTES 1 and 2)

Frequency offset (kHz) (NOTE 3)	Carrier-on	
	e.i.r.p. (dBW)	Measurement bandwidth (kHz)
0 to 166	0 - (offset \times 55/166)	3 kHz
166 to 575	- 55	3 kHz
575 to 1 175	- 60	3 kHz
1 175 to 1 525	-50 - ((offset - 1 175) \times 5/350)	30 kHz
1 525 to 45 000	- 55	30 kHz

NOTE 1 – The MSS (Earth-to-space) is allocated frequencies on a co-primary basis in the band 1 980 - 2 010 MHz in all Regions and in the band 2 010 - 2 025 MHz in Region 2 subject to the dates of entry into force mentioned in RR S5.389A, RR S5.389C and RR S5.389D.

NOTE 2 – Average responding instruments should be used to measure the e.i.r.p. values. The measurement time should be such that the difference of the measured e.i.r.p. levels, averaged over subsequent measurement samples, is less than 1 dB at any particular measurement frequency. Alternatively, a measurement time of 100 ms may be used if the measured e.i.r.p. values comply with the applicable limits. For non-continuous signals, the measurement should be performed over the active part of the burst.

NOTE 3 – Frequency offset is determined from edge of nominated bandwidth.

TABLE 2B3

Maximum unwanted emissions falling in the 1 990 - 2 025 MHz band from an MES using CDMA access techniques within the 1 980 - 2 025 MHz allocations (NOTES 1 and 2)

Frequency Offset (kHz) (NOTE 3)	Carrier - on	
	EIRP (dBW)	Measurement bandwidth (kHz)
0 to 160	- 35	30
160 to 2 300	$-35 - (\text{offset} - 160) \times 21/2140$	30
2 300 to 45 000	- 56	30

NOTE 1 – The MSS (Earth-to-space) is allocated frequencies on a co-primary basis in the band 1 980 - 2 010 MHz in all regions and in the band 2 010 - 2 025 MHz in Region 2 subject to the dates of entry into force mentioned in RR S5.389A, RR S5.389C and RR S5.389D.

NOTE 2 – Average responding instruments should be used to measure the e.i.r.p. values. The measurement time should be such that the difference of the measured e.i.r.p. levels, averaged over subsequent measurement samples, is less than 1 dB at any particular measurement frequency. Alternatively, a measurement time of 100 ms may be used if the measured e.i.r.p. values comply with the applicable limits. For non-continuous signals, the measurement should be performed over the active part of the burst.

NOTE 3 – Frequency offset is determined from edge of nominated bandwidth.

TABLE 2B4

Maximum e.i.r.p. of the unwanted emissions of an MES in the carrier-off state

Frequency (MHz)	e.i.r.p. (dBW)	Measurement bandwidth
0.1 - 30	- 87	10 kHz
30 - 1 000	- 87	100 kHz
1 000 - 12 750	- 77	100 kHz

NOTE – Peak hold measurement techniques should be used. These values must be at or below the values for the carrier-on state.